

Title (en)  
Reactor for catalytic processes

Title (de)  
Reaktor für katalytische Verfahren

Title (fr)  
Réacteur destiné aux procédés catalytiques

Publication  
**EP 0602287 B1 19970305 (EN)**

Application  
**EP 92204028 A 19921218**

Priority  
EP 92204028 A 19921218

Abstract (en)  
[origin: EP0602287A1] A reactor for catalytic processes comprising a vessel (1) provided at its upper end with a catalyst inlet (2) and a reactant inlet (3) and at its lower end with a catalyst outlet (4) and an effluent outlet (5), the vessel (1) contains a redistribution device (8) which comprises fluid exchange boxes (9) protruding radially from the wall of the vessel, each fluid exchange box (9) having a top cover (11), vertical side walls provided with a screen (16) preventing catalyst from passing and an end wall (18) having a lower opening (19), catalyst passages defined by the side walls of adjacent fluid exchange boxes (9) which catalyst passages are closed at their inner ends, a central chamber (25) defined by the end walls (18) of the fluid exchange boxes (9) provided with a top cover (26), and a fluid distributor (28) arranged at the lower end of the redistribution device (8), wherein the fluid distributor comprises a distribution tray (30) in the central chamber (25) and distribution plates in the fluid exchange boxes (9) arranged under the lower openings (19). <IMAGE> <IMAGE>

IPC 1-7  
**B01J 8/12**; **C10G 45/18**

IPC 8 full level  
**B01J 8/04** (2006.01); **B01J 8/12** (2006.01); **C10G 11/00** (2006.01); **C10G 45/18** (2006.01); **C10G 49/00** (2006.01); **C10G 49/14** (2006.01)

CPC (source: EP)  
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Cited by  
US7029638B2; FR2757785A1; EP0850687A3; CN113412150A; EP3921070A4; FR2818559A1; US5954950A; FR2738013A1; US7473405B2; WO2020163670A1

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